BEE BEE ELECTRICALS & ELETRONICS PVT LTD

An ISO 9001 : 2015 Certified Company

Battery Charger

Bee Bee Battery Chargers are of latest State of the art DSP based system with High Frequency IGBT-based Switch- Mode Design have been proven to work under extremely adverse environmental conditions.
Operating from 3-phase (415 V) AC Supply input, they are available in several kW Power levels.
Other than 3-phase AC Supply input, the PWM Battery Charger can also be customized to accept supply input from sources such as Generator/Alternator, Solar or Wind power.
Compared to older technologies based on SCR, these products offer Superior efficiency (90 - 95 %) and Lower Weight and Size.
This include the standard battery algorithms such as Constant Voltage (CV), Constant Current (CC) charging profiles , these algorithms can be customized according to the battery chemistry.
The battery charger has a remote RS485 based LCD/keypad module that displays status information, as well as providing a downloading capability of logged operation and fault data
We are specializes in the development of custom solutions to meet specific customer requirements.

Product Features

- " DSP based system.
- High Frequency TGBT-based Switch-Mode Design.
- lGBT based rectifier to obtain input power factor close to Unity (0.98).
- Low losses & hence high efficiency operation (''' 95%}.
- Very low voltage and current ripples smaller than 3%.
- Provision of RS232 (or USB) port for fault/status reporting to a PC.
- Provision of fault memory recording for diagnosis & subsequent analysis of faults.
- Auto diagnostics system.
- Auto-restart on fault elimination.
- Capability to charge battery in constant voltage as well as constant current mode for different type of batteries.
- Modular design for easy maintenance.
- Output Voltage Regulation +-0.1%.
- Output Current Regulation +-0.5%.
- LCD Display.
- LED Indicators.

Protections

- Input Over Voltage Protection.
- Output Over Voltage Protection.
- Output Under Voltage Protection.
- Output Over Current Protection.
- Output Dead Short Circuit Protection.
- Single phase protection.
- Earth Leakage Protection.
- Heat sink over temperature Protection.